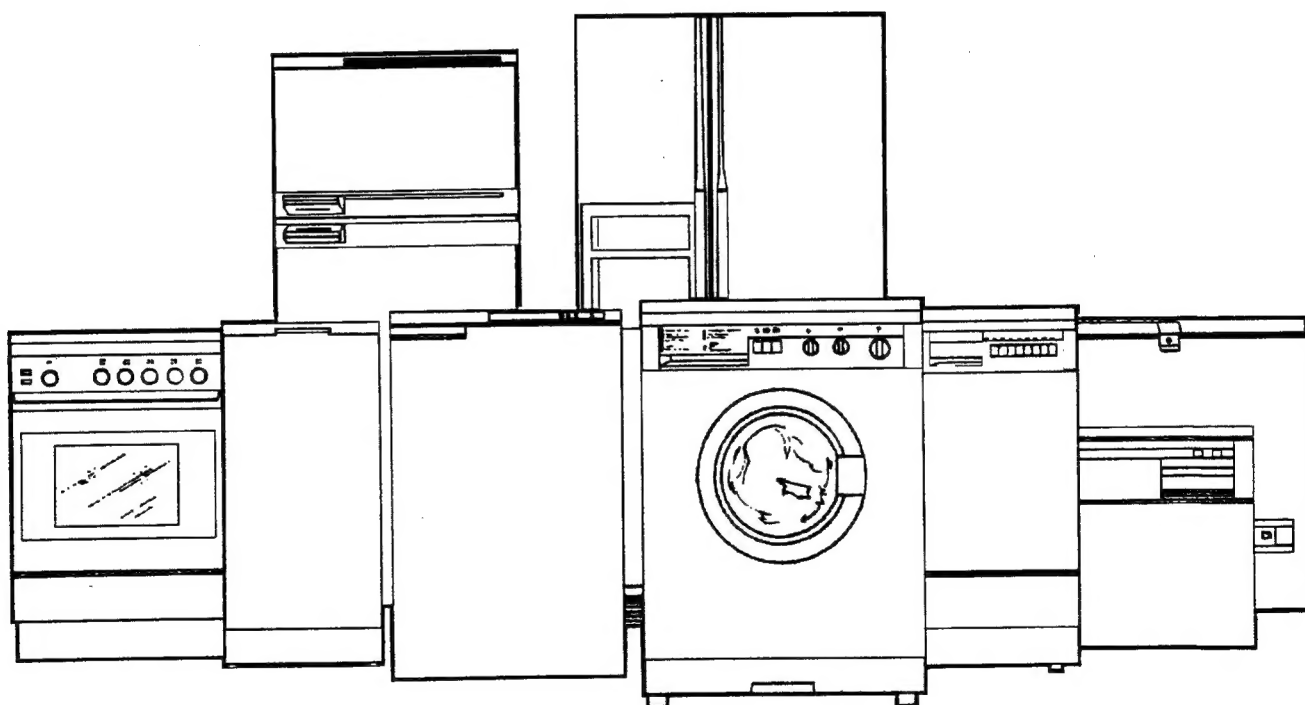




Operation Instructions



PHILIPS

AGB022
AGB024
K20
K40

INSTALLATION

In the ice bin of this appliance you will find the following accessories: instructions for use, an envelope containing an ice pallet, a funnel with hose for periodical cleaning, 4 adjustable feet and washers.

- Fit the feet into the receptacles, proceeding as follows:
- Screw the 4 threaded supports on the bottom front and screw the adjustable feet on the supports (Fig. 1).
- Place the ice maker on a stable, level surface and adjust the feet if necessary.
- Do not install the unit close to a heat source, in a niche, or leaning against a wall on one side; air must be free to circulate through the ventilation grids.
- In rooms with an ambient temperature lower than +10°C or higher than +32°C, ice cubes production is not guaranteed. However, at ambient temperatures from +16°C to +32°C, ice cubes production can be guaranteed if a tropicalized unit is installed.

ELECTRICAL CONNECTION

Check that the voltage on the rating plate corresponds to the voltage in your home (Fig. 2).

Connect the appliance to the mains and ensure that it is working correctly before storing food.

The earthing of this appliance is compulsory by law.

— The electrical and plumbing connection must be carried out by a qualified technician, in compliance with local safety regulations.

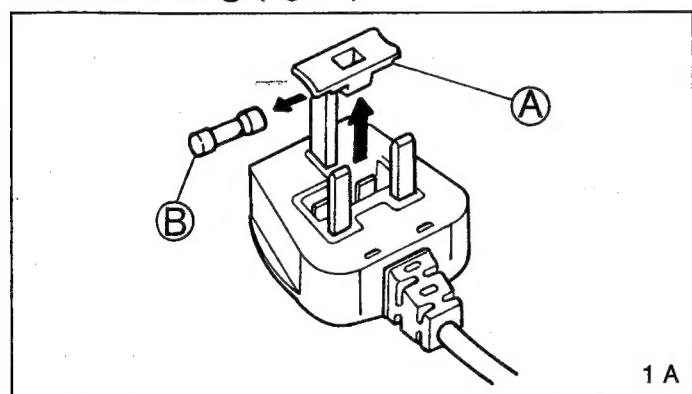
The manufacturer will accept no liability for damage to persons or objects arising from the non-observance of this requirement.

MOULDED PLUGS

For Great Britain only

If the mains lead of the appliance is fitted with a B.S. 1363A 13 Amp fused plug, to change a fuse in this type of plug proceed as follows:—

1. Remove the fuse cover (A) and the fuse (Fig. 1 A).
2. Fit a replacement fuse which should be a BS 1362 13A.A.S.T.A. Item (B) (Fig. 1 A).



IMPORTANT:—

- The fuse cover must be refitted when changing a fuse.
- In the event of a fuse cover being misplaced, the plug must not be used until a correct replacement is fitted.
- Please ensure that the replacement fuse cover is of the same colour as the insert or, as the colour embossed in words on the base of the plug.
- Replacement fuse covers are available from:—

Philips Service,
M.D.A. Spares Sales Department
Waddon Factory Estate
Purley Way
CROYDON
Surrey
CR9 4DR
Tel: 01 6860505

Please state the colour of the plug insert.

If the fitted plug is not suitable for your socket outlets, it should be cut off and disposed of, to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere. A suitable alternative plug should then be fitted to the cable.

“WARNING—THIS APPLIANCE MUST BE EARTHED”

IMPORTANT: the wires of the mains lead fitted to this appliance are coloured in accordance with the following code:—

GREEN AND YELLOW — EARTH

BLUE — NEUTRAL

BROWN — LIVE

As the colours of the wires in the mains lead fitted to this appliance may not correspond with the coloured markings identifying the terminals in the plug, proceed as follows:—

The wire which is coloured GREEN AND YELLOW must be connected to the terminal in the plug which is marked with the letter “E” or by the earth symbol \perp or coloured GREEN or GREEN AND YELLOW. The wire which is coloured BLUE must be connected to the terminal which is marked with the letter “N” or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter “L” or coloured RED. If the terminals in the plug are unmarked or you are in any doubt as to the correct connections, consult a qualified electrician.

N.B. We recommend the use of a good quality plug.

For the Republic of Ireland only

The information given in respect of Great Britain will frequently apply, but a third type of plug and socket is also used, the 2-pin, side earth type. In this case, the wire which is coloured GREEN AND YELLOW must be connected to the EARTH contact, and the other two wires to the two pins, irrespective of colour. The supply to the socket must be fitted with a 16 amp fuse. Replacement fuse covers are available from:—

Philips Electrical (Ireland) Ltd.

Service Departments

Newstead

CLONSKEAGH

Dublin 14

Tel: (01) 693355

2 Kyrils Quay

CORK

Tel: (021) 25438

Please state the colour of the plug insert.

PLUMBING CONNECTION

— Connect the water and drain hoses through the rear wall of the unit (Fig. 3).

— Connect the water inlet hose to a cold water tap, having a 3/4" BSP thread. The outlet hose is to be placed into a drain, preferably equipped with an S-trap to prevent any odour back-up. The drain must be at a lower level than the outlet of the hose from the appliance.

— The outlet hose should be inclined at least 10 degrees so the water can drain naturally.

— If the water is very hard (rich in calcium and magnesium salts), insert a softener-filter on the inlet connection between the tap and the hose. This filter brings the water hardness to a normal value.

— Regenerate or replace the water-softener filter (according to the type) when the ice cubes are not completely transparent or production time is increased. This appliance conforms to EEC directive N° 82/499/EEC on radiointerference.

CONTROLS

Fig. 2:

A) Water drain connection

Fig. 6:

A) Grid fuse

B) Ice-cubes level thermostat

- C) Ice-cubes thickness thermostat
- D) Water inlet connection

Fig. 10:

- A) On/off switch (green)
- B) Wash switch (blue)

OPERATION

Ice maker operation is completely automatic. Ice is formed by progressive refrigeration of a film of water which flows on a refrigerated inclined plate (Fig. 4).

When the ice film attains the required thickness, a thermostat automatically releases the ice sheet which slides on to a cross-hatched network of low voltage wire (Fig. 5).

This network melts the ice, cutting the sheet into cubes.

This continues until the ice cubes bin is completely filled.

A thermostat then automatically stops the ice cubes production. When the level of the ice cubes in the bin decreases, because of melting or use, the thermostat will automatically restart the appliance. The water formed by melting ice cubes accumulates in the bottom of the bin and is discharged through a drain hole.

STARTING UP

Before using your ice maker for the first time, clean it thoroughly. Follow the instructions in the "Maintenance" section of this booklet.

- Plug the appliance into the wall socket.
- Turn on the water supply.
- Press the green switch.

ADJUSTING THE ICE CUBE THICKNESS

Ice cube thickness is pre-set at the factory. The thickness can be increased or decreased by turning the thermostat knob with a screwdriver. Turning the knob clockwise increases the thickness, turning it anti-clockwise decreases the thickness (Fig. 6). By means of the thermostat knob it is possible to adjust the variations due to the ambient temperature, when it is higher than 32°C and lower than 10°C.

- Never turn the thermostat knob outside the field indicated on the dial.
 - Adjust the ice thickness thermostat only after a few hours operation and only after the bin has half-filled with ice cubes.
 - Non-observance of the thermostat setting rule could result in damage to the ice maker, especially if the thermostat knob is left on a low setting in high room temperature.
- In this case the ice could become so thick that the ice will not be cut. On the other hand, the ice thickness could be reduced to a minimum or none at all.

ADJUSTING THE ICE CUBES LEVEL

The thermostat is pre-set at the factory.

However, if the ambient temperature is higher than +32°C it is necessary to adjust the thermostat knob to position ☼, if the ambient temperature is lower than +16°C, it will be necessary to adjust the thermostat knob to position ☼ (Fig. 7).

MAINTENANCE

Always pull out the plug and turn off the water before doing any work (cleaning or repair) on the unit.

Periodically clean the appliance (every 6 months) and the water system, to keep the appliance operating at maximum efficiency and to ensure the best ice cubes quality. When the ice cubes production time is increased, and the cubes start to lose their transparency, it is time to clean the water system. How often you clean this system depends on the hardness of the water.

During freezing, the calcium in the water is deposited on the refrigerated plate. These deposits act as insulation, decreasing the efficiency of the appliance's performance.

To clean the water system, proceed as follows:

- 1) Turn off the water and switch off the appliance by pressing the green switch.

- 2) Open the ice bin and remove all the cubes.

- 3) Remove the plug inside the bin (Fig. 8) to drain the water from the bin.

- 4) Pour 1.5 l of water mixed with 1/10 litre of vinegar or 4 tablespoonfuls of lemon juice or citric acid into the bin using the funnel provided (Fig. 9).

- 5) Press the two switches (green and blue) and operate the appliance for 40 minutes approx.

- 6) Release the two switches (green and blue) and drain this water mixture into the liner by inverting the position of the funnel.

- 7) Pour 1.5 l water and 2 tablespoonful of baking soda into the bin, press the two switches (green and blue) and operate the appliance for 5 minutes approx.

- 8) Drain the water and repeat the operation, by rinsing with 1.5 l of water and leaving the appliance operating for 5 minutes.

- 9) Remove the funnel with the hose after the water drain and replace the plug.

- 10) Clean the inside of the bin reservoir and the door gasket with a soft cloth dampened in a solution of warm water and baking soda.

- 11) Press the green switch and turn the water on: the ice maker will begin to work again.

Remove dust periodically from the motor compartment and the condenser with a vacuum cleaner. Do this by removing the ventilation grids on the sides and/or back wall of the appliance. Always remember to unplug the appliance before working on it.

Important: To prevent odour contamination of the ice cubes, do not put foods or beverages into the ice cube bin.

When not in use for long periods of time (holidays, etc.) turn off the water, pull out the plug, remove all ice cubes, drain the water tank by removing the plug as described in the "Maintenance" section of this booklet, and leave the door open to prevent the formation of odours.

SERVICE

If the ice maker does not work properly or does not work at all, before calling for service, carry out the following checks (which are also listed on the sticker at the back of the appliance Fig. 2). This is very important as travel expenses and labour costs will be charged to you if your call turns out to be unjustified.

If the compressor does not work and the ice bin is empty, check that:

- There is power at the outlet.
 - the plug is connected correctly to the socket
 - one of the power cord wires is not disconnected.
- The wash switch is pressed.

If the compressor works and the ice bin is empty, check that:

- the water is turned on.
- the thermostat is set according to the instructions given.

If the ice cubes are too thick or too thin, check that:

- the thermostat knobs are positioned according to instructions.

If ice cubes formation takes too long.

— It is possible that a calcium deposit has formed on the refrigerated plate. To remove this deposit, clean the water system (as described in the "Maintenance" section of this booklet). If the calcium builds up too rapidly, install a water softener filter: if the water softener filter is already installed, it is necessary to replace or to regenerate it.

If there is no water in the ice bin, check that:

- the drain hose is well connected
- the drain hose is not clogged or kinked.

If the ice cubes are not transparent, check that:

- the water is not too hard. If it is, install the water softener filter. If already installed, regenerate or replace it.

If after the above checks, the unit is still not working properly, contact your dealer or Service. Describe the nature of the fault and give the model of the unit. The model number is printed on the rating plate at the back of the appliance (Fig. 2).

